

Ginodman, G. M. PURIFICATION OF WASTE GASES IN THE MANU- FACTURE OF SULFATE PULP. [1960] 10p. (3 illus. omitted). Order from LC or SLA ml\$1.80, ph\$1.80 61-10683 Partial trans. (16-20) of Bumazh[naya] Prom[yshlen- nost'] (USSR) 1947, v. 22, no. 7, p. 16-22. 151819 (Machinery--Manufacturing, TT, v. 5, no. 9)	61-10683 1. Waste gases--Purification 2. Sulfate pulp--Processing I. Ginodman, G. M. Office of Technical Services
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The Aging of Paper, by A. P. Zakoshchikov. 9p.
RUSSIAN, per, Bumazhnaya Promyshlennost,
VOL 24, No 5, 1949, pp 6-10.
ATS-28839R

Sci-Materials
Oct 66

313,383

The Aging of Paper, by A. P. Zakoshchikov. 9p.
RUSSIAN, per, Bumazhaya Promyshlennost,
Vol 24, No 6, 1949, pp 8-13.
ATS-29689R

Sci-Materials
Nov 66

313,382

The Nature of Pitch Trouble (In Paper Manufacture), by
V. P. Kovalev,

RUSSIAN, per, *Prizhodka Promyshlennost'*, Vol XXV,
No 3, 1950, pp 20-25.

Sci Mus Lib 56/1987
National Research Council Library
TT.597

USER
Economic

41,539

Komarov, F. P.
ADVANCES IN THE OXIDATION OF CELLULOSE.
Bumazh. Proch 28, No. 1, 6-13. 1953. In Russian.

APL 480
ARS

april

Rapid Method for Determination of Fibre Length, by
R. E. Reizin'sh, 9 pp.

RUSSIAN, par, *Bumazhnaja Promyshlennost'*, Vol
XXVIII, No 4, 1955, pp 23-26.

Sci Trans Center
RT-1671

14, 668

Scientific - Engineering

Dec 54. CTS/DEX

Kaverzneva, E. D., Ivanov, D. J., and Salova, A. S.
CHEMICAL TRANSFORMATIONS OF CELLULOSE
IN THE PROCESS OF TREATMENT WITH HYPOCHLORITE. [1961] 9p. (1 graph 3 schemes 2 diagr.
refs. omitted).
Order from OTS or SLA \$1.10

61-20893

Trans. of Buruzh[naya] Prom[yshlennost'] (USSR)
1953, v. 25, no. 7, p. 6-11.

DESCRIPTORS: Transformations, *Cellulose, Cellu-
lose chemistry, Hypochlorites, Oxidation, Chemical
properties, Manufacturing methods, Wood pulp,
Cotton cellulose, Bleaching.

The chemical transformations taking place on oxida-
tion of cellulose with hypochlorite and the influence of
pH on these transformations were determined. As a
result of the oxidation of cellulose with sodium hypo-
(Materials--Wood, TT, v. 7, no. 9) (over)

61-20893

I. Kaverzneva, E. D.
II. Ivanov, D. J.
III. Salova, A. S.

Office of Technical Services

Delignification of Wood Pulp with Ethylene
Glycol, by A. A. Konkin, Z. A. Rogovin, 12pp
RUSSIAN, per, Bumazhnaya Promyshlennost',
Vol 28, 1953, No 9, pp 15-19
SIA TT-64-20453

Sci - Mat
June 67

327,509

Effect Upon the Properties of Paper and Cardboard of
Making the Fibre Surface Hydrophobic, by S. S.
Voytnitskiy, M. A. Volokitina, A. D. Zeyenchikovskiy.

RUSSIAN, bino per, Bum Proizv, Vol. XXVIII, No 12, 1958,
pp 6-9.

Sci Tr Center RI-3701.

Scientific - Engineering

36,135

Jun 56/dew

62-29227

Solyus, N. S.
MEJORA DEL RENDIMIENTO DE LOS HORNOS DE
PIRITA (Ob'Uvelichenii Proizvoditel'nost' Kolchedan-
nykh Pechei) (Improvement in Pyrites Furnace Yields).
6p. CITE: 62-227.
Order from OTS, ETC or CID \$0.80 62-29227

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 2, p. 24.

DESCRIPTORS: *Pyrites, *Combustion chambers,
Effectiveness.

(Metallurgy, TT, v. 10, no. 8)

- I. Solyus, N. S.
- II. CID-62-227
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Ivanov, S. N.
LOS DEPECTOS EXTERNOS DEL PAPEL Y LOS
MEDIOS DE EVITARLO (Vneshnie Defekty Bumagi i
ikh Preduprezhdenie) (External Defects of Paper and
Means of Obviating Same). 22p. CID: 62-204.
Order from OTS, ETC or CID \$0.86 62-29204

Trans. in Spanish of 'Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 4, p. 24-30.

DESCRIPTORS: *Paper, Quality control.

(Materials--Paper, TT, v. 10, no. 8)

62-29204

- I. Ivanov, S. N.
- II. CID-62-204
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

The Formation of a Sheet on a Cylinder Mould, by
G. A. Tolstiy.

RUSSIAN, per, Bukazh Prom, Vol XXX, No 5, 1955,
pp 10-13.

TEL M. 2455

Sci - Eng

Nov 51

174 421

62-29239

Solomko, V. S.
APROVECHAMIENTO DE LOS RESIDUOS DE
SERRERIA Y DE ALMACENES DE LEÑA, PARA LA
FABRICACION DE PASTA DE PAPEL AL SULFATO
(Ispol'zovanie Otkhodov Lesopileniya i Lesozagotovok
dlya Proizvodstva Sul'fatnoi Tsellyulozy) (Utilization
of Saw-mill and Lumber Store Residues in the Manu-
facture of Sulphate Paper Pulp). 14p. CID: 62-239.
Order from OTS, ETC or CID \$0.80 62-29239

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 5, p. 27-28.

DESCRIPTORS: *Sulphate pulp, Production, Wood,
Sawmills.

(Materials--Wood, IT, v. 10, no. 8)

- I. Solomko, V. S.
- II. CID-62-239
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Poddubnaya, S. N.
METODOS PARA ELIMINAR LAS BURBUJAS EN EL
PAPEL FOTOGRAFICO (O Metodakh Ustraneniya
Puzyrej na Fotograficheskoj Bumage) (Bubble Elimination
Methods in Photographic Paper). 16p. 3 refs.
CID: 62-258.

Order from OTS, ETC or CID \$0.80 62-29258

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 7, p. 8-10.

DESCRIPTORS: *Photographic paper, Separation,
Bubbles.

(Materials--Photographic, TT, v. 10, no. 8)

62-29258

- I. Poddubnaya, S. N.
- II. CID-62-258
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Kuz'minykh, I. N. and Babuchkina, M. D.
 EQUILIBRIO ENTRE EL ANHIDRIDO SULFUROSO Y
 LAS DISOLUCIONES BISULFICAS (Ravnovesie
 Mezhdia Seristym Gazom i Bisul'fitym Rastvorami)
 (Equilibrium Between Sulfur Dioxide and Bisulphite
 Solutions). 19p. 13 refs. CID: 62-218.
 Order from OTS, ETC or CID \$0.80 62-29218

Trans. in Spanish of Bumazhnaya Promyshlennost
 (USSR) 1955, v. 30, No. 8, p. 5-9.

DESCRIPTORS: *Sulfur compounds, Dioxides, *Sulfites,
 *Chemical equilibrium, Solutions.

(Chemistry-Physical, TT, v. 10, no. 8)

62-29218

- I. Kuz'minykh, I. N.
- II. Babuchkina, M. D.
- III. CID-62-218
- IV. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

Ivanov, S. N.
ROTURAS DEL PAPEL EN LA MAQUINA DE FABRI-
CACION DEL MISMO Y FORMA DE EVITARLAS
(Obryvy Bumagi na Bumagodelatel'noi Mashine i ikh
Preduprezhdenie) (Paper Tearing in Paper Manufac-
turing Machines and Means of Preventing It). 9p.
CID: 62-209
Order from OTS, ETC or CID \$0.80 62-29209

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 9, p. 21-22.

DESCRIPTORS: *Paper, Manufacturing methods,
Machines.

(Materials--Paper, IT, v. 10, no. 8)

62-29209

- I. Ivanov, S. N.
- II. CID-62-209
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

62-29219

Suchil'nikov, N. G.
UTILIZACION ECONOMICA DE LA MADERA EN LA
INDUSTRIA DEL PAPEL Y DE LA CELULOSA (Eko-
nomno ispol'zovat Drevesinu v Tsellyulozno-bumazh-
noi Promyshlennosti) (Low Cost Utilization of Wood in
the Paper and Cellulose Industry). 7p. CID: 62-219.
Order from OTS, ETC or CID \$0.80 62-29219

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 9, p. 26-27.

DESCRIPTORS: *Paper, *Cellulose, *Wood, Production.

(Materials--Paper, TT, v. 10, no. 8)

- I. Suchil'nikov, N. G.
- II. CID-62-219
- III. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

Tolskiy, G. A.
 THE INFLUENCE OF PULP CONSISTENCY ON THE
 QUALITY OF THE SHEET BEING FORMED, tr. by
 R. Newman, Aug 60, up. (3 figs. omitted).
 Order from SLA in \$1.80, plus \$1.80 60-18443

Trans. of Bumazh (maza) Promyshlennost' (USSR) 1953
 (v. 30) no. 10, p. 7-10.

RUSSIAN to SPANISH by OTS 62-24210
 The effect of the change in the consistency of the stock
 entering the vat on the pressure of filtration and the
 physico-mechanical properties of the sheet being
 formed was examined at consistencies of 0.07, 0.10,
 0.15, 0.20, 0.25, 0.30 and 0.40%, and at degrees of
 beating of 20, 30, 45, 60 and 75% S.R., using bleached
 sulphate pulp mark "A". The results show that the
 pressure of filtration changes in linear relation to the
 quantity of liquid being filtered only at degrees of beat-
 ing of the pulp of 20 and 30% S.R. At degrees of beating
 of 45% S.R. and higher the pressure of filtration

(Materials--Paper, TT, v. 5, no. 4) (over)

60-18443

1. Paper--Processing
2. Wood pulp--Properties
1. Tolskiy, G. A.

143,252

NLL M. 3454

Office of Technical Services

changes in a power relationship. These variations occur as a result of the different density of packing of the fibres in the sheet being formed and to the formation of flocks in the sheet.

PB-

60-18443

Karneicheva, L. V.
PERGAMINO PARA CONSERVAR CANGREJOS, HECHO
CON PASTA AL SULFATO MEJORADA (Krabovyi Per-
gament iz Sul'fatnoi Oblagorozhennoi Tsellyulozy)
('Crab' Parchment Paper from Refined Sulphate
Cellulose) 6p. CID: 62-215.
Order from OTS, ETC or CID \$0.80 62-29215

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 10, p. 23.
Another trans. is available in English from OTS or SLA
\$1.10 as 62-16510, Feb 62, 2p.

DESCRIPTORS: *Paper industry, *Cellulose, Wood
pulp, *Sulfate pulp, Cotton cellulose.

(Materials--Paper, TT, v. 10, no. 8)

62-29215

- I. Karneicheva, L. V.
- II. CID-62-215
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

More Initiative in the Introduction of Continuous Roll-Beating of Pulp, by V. I. Mudrik, 6 pp.

RUSSIAN, per, Buzazhnaya Press, Vol XXXI, No 1, 1956, pp 18, 19.

SLA R-1899

Sci
Aug 58

70,860

The Influence of Various Bases of the Sulphite
Cooking of Wood, by W. A. Rosenthaler, 7 pp.

RUSSIAN, per, *Khimicheskaya Prom.*, No 3, 1956, pp 6-10.

BIA 59-10227

(RUSSIAN to SPANISH, CTS 62-29223)

Sci - Chem
Sep 59
Vol 2, No 1

97,743

Continuous Beating in Hollanders,
by L. Ginzburg.

RUSSIAN, per, ~~Bumazhnaya Press~~,
Vol XXXI, No 4, 1956, pp 19-21.

CSIRO 3535

Sol - Ingr

Feb 62

186.621

On the Article: "Pulp Fractionation During Continuous Beating in Hollanders", by P. S. Larin, S. N. Ivanov, B. A. Rubekin, 3 pp.

RUSSIAN, per, ^ABumsh Pross, Vol. XXXI, No 4, 1956, pp 21, 22.

SLA R-346.

Sci

Aug 59

95, 377

62-29210

Ivanov, S. N.
LAS NORMAS DE PRODUCTIVIDAD DE LAS MAQUINAS DE PAPEL CONTINUO (O Normakh Proizvoditel'nost' Bumagodelatelnykh Mashin) (Productivity Standards in Continuous Paper Manufacturing Machines).
16p. 2 refs. CID: 62-210.
Order from OTS, ETC or CID \$0.80 62-29210

Trans. in Spanish of Bumazhnaya Promyshlennost' (USSR) 1956, v. 31, no. 7, p. 9-12.

DESCRIPTORS: *Paper, Machines, Effectiveness, Standardization.

(Materials--Paper, TT, v. 10, no. 8)

- I. Ivanov, S. N.
- II. CID-62-210
- III. Centro de Informacion y Documentacion, Madrid (Spain)

Office of Technical Services

Methode Rapide de Dosage D'Humidite dans le Papier
(Determining the Moisture Content of Paper), by

A. T. Dibrova, 5pp.

RUSSIAN to FRENCH, per, Bumazhnaya Prom, Vol XXXI, No 8,
1956, pp 14-15.

Reverse Trans
OTS 62-26994

Sci-Chem
March 64

Method of Determining the Effectiveness of
the Washing of Pulp on the Vacuum Filters, by
P. I. Zubovitch.

RUSSIAN, per, Buzsahnaya Press, No 11, Nov
1956, pp 2-6.

ASLIB-GB15

Sci
Aug 58

R-2249

70,810

Effect of Temperature and Air Humidity on the
Aging, by R. R. Yabron, 7 pp.

²
RUSSIAN, per, Bimash Press, Vol XXII, No 1, 1957,
pp 15, 16.

SIA R-949

8^C1

Aug 59

95, 380

Bleaching of Cellulose With Peroxides, by F. P. Komarov, 8 pp.

RUSSIAN, per, Bureau from USSR, Vol XXXII, No 3,
1957, pp 2-5. also

Industria della Carta (Italy), Vol XII,
No 3, 1958, pp 25-29.

8LA 59-10509

Sci
Nov 59
Vol 2, No 3

101,533

Iron and Copper Impurities in Condenser Paper,
by M. V. Goloub, 8 pp.

RUSSIAN, per, Dumash Prom, Vol XXXII, No 8,
1957.

SLA 60-14373

Sci
Feb 62
Vol III, No 11

182, 796

Effect on Resin Composition on Pithh Difficulties in Pulps, by N. P. Starostenko, N. N. Nopenin, I. G. Leshchenko, 6 pp.

RUSSIAN, per, Dumazh Prom, Vol XXXII, No 9, 1957, pp 2-5.

Vol V, No 5
Jul 61

SLA 61-10309

NLI 61-2798

160,162

Some Properties of Paper Stock Used in the
Manufacture of Condenser Tissue, by N. D.
Souchkov, 12 p.

RUSSIAN, per, Bumashnaya Press, 1957, Vol XXXII,
No 9, pp 5-7.

SLA 60-10138

Sci
Apr 60
Vol III, No 2

113,576

Experience Gained in the Application of a
Variable Hydraulic Pressure in the Impregnation
of Wood Chips, by S. F. Mel'nikov, 5 pp.

RUSSEIAN, per, Dumazhaya Pressy, Vol XXXII, No 9,
1957, pp 8-9.

CIA/FDD XI-1560
NO FOREIGN DISSEM

Sci - Phys
Jun 64

260,068

Belaya, I.K.
EFFET DES RAYONNEMENTS ULTRA-VIOLETS DES
LAMPES BACTERICIDES SUR LE PAPIER (The Effect
on Paper of Short-Wave Ultraviolet Radiation). 8p.
9refs. CNRS-VI 258.
Order from OTS, ETC or CNRS \$0.80 TT-62-28015

Trans. In French of Promyshlennost
(USSR) 1957, v. 32, no. 9, p. 9-10.

DESCRIPTORS: *Paper, *Ultraviolet radiation,
Bactericides, Air, Purification, *Libraries, Instal-
lation, Mercury lamps.

(Materials--Paper, TT, v. 11, no. 6)

TT-62-28015

- I. Belaya, I.K.
- II. CNRS-VI 258
- III. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

The Condensing Action of Acid on Lignin, by D. V.
Tishchenko, 16 pp.

RUSSIAN, per, Izvestia From USSR, Vol XXII, No 12,
1957, pp 5-10.

SLA 59-10268

Sci
Nov 59
Vol 2, No 3

101,520

IR-70-59

(DC-3251).

The USSR Paper Industry, by K. A. Veynov, 30 pp.

RUSSIAN, bk, Bumaizhnaya Promyshlennost, SSSR, Moscow,
1958, pp 117-173.

JPRS-L-1999-D

USSR

Econ - Paper Industry
Jan 60

106,305

Shining Paper With Paraffin Emulsion, by A. K.
Chesovskaya, 6 p.

RUSSIAN, per, Burzakh Prom, 1956, Vol XXVIII,
No 1, pp 9-11.

SLA 59-17163

Sci
Dec 59
Vol 2, No 6

103,966

Absorption Method for Determining the Specific
External Surface of Pulp Suspensions During
Beating, by Ye. Ya. Vinetskaya, 12 p.

RUSSIAN, per, *Khimicheskaya Promyshlennost*, 1958,
Vol XXXIII, No 1, pp 6-9.

SLA 59-17751

Sci
Feb 60
Vol 2, No 10

108,906

A Method of Calculating the Tractive Forces of the
Driving Rolls for a Four-Drinier Wire (With Two
Driving Rolls), by Yu. K. Barbarovich, 7 pp.

RUSSIAN, per, Buzazhnaya. From USSR, Vol XXXIII, No 4,
1958, pp 13-15.

SLA 59-15834

Sci

Vol 59

Vol 2, No 4

103,113

Klopov, V. M.
FABRICACION DE PASTA DE MADERA A PARTIR
DE VIRUTAS (Drevesnaya Massa iz Sobchepy) (Manu-
facture of Wood-pulp from Wood Shavings). 16p.
5 refs. CID: 62-206.
Order from OTS, ETC or CID \$0.80 62-29206

Trans. in Spanish of Drevesnaya Proizvodstvo
(USSR) 1958, v. 33, no. 4, p. 25-27.

DESCRIPTORS: *Wood pulp, Manufacturing methods.

(Materials--Wood, TT, v. 10, no. 8)

62-29206

- I. Klopov, V. M.
- II. CID-62-206
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Dolgaleva, A. A.
EFFECT OF THE QUALITY OF WATER ON THE
PRODUCTION TECHNOLOGY AND ON THE PROP-
ERTIES OF PAPER FOR CAPACITORS (Vliyaniye
Kachestva vody na Tekhnologiyu Proizvodstva i
Svoystva Kondensatornoy Bumagi). Nov 60 [20]p.
11 refs. RTS 1720
Order from LC or SLA ml\$2.40, ph\$3.30 (1-13999)

Trans. of Bumazhnaya Promyshlennost' (USSR) 1958,
v. 33, no. 5, p. 10-13.

Discussions are presented on the effect of water hard-
ness (total, and carbonate), of the cations and the
anions of the salts giving rise to the hardness, and
also of the cations Na^+ , NH_4^+ , Al^{3+} on the beating of
cellulose and on the texture and the properties of
paper. The dependence of the cellulose grinding pro-
cess on the pH of the medium was also studied, since
changes in the concentration of dissolved electrolytes
induced changes in the hydrogen ion exponent.
(Author)

61-13999

1. Paper capacitors--Production
2. Paper--Properties
3. Water--Properties
1. Dolgaleva, A. A.
- II. RTS-1720
- III. Department of Scientific
and Industrial Research
(Gt. Brit.)

146,945

Office of Technical Services

(Materials--Paper, TT, v. 5, no. 5)

Change in the Hydrophilic Behaviour of Cellulose
in the Papermaking Process, by R. V.
Voitsekhovskiy.

RUSSIAN, per, Bumazhnaya Promyshlennost,
Vol XXXIII, No 6, 1958, pp 2-5.

DSIR LLU M. 1896
OTS 66-16517
169,836

Sci - Chem

Oct 61

An Investigation of the Sulphite Cooking Process
With Soluble Bases, by Yu. G. Butko, 14 p.

RUSSIAN, per, Buzazhnaya Promyshlennost, 1958,
Vol. ~~XXX~~, No 7, pp 2-5.
XXXX

SLA 59-10269

Sci
Jan 60
Vol 2, No 8

105,528

Chudakov, M. I.
SOBRE LA CONDENSACION ACIDA DE LA LIGNINA
(O Kislotnoi Kondensatsii Lignina) (On the Acid Con-
densation of Lignine). 15p. 13 refs. CID: 62-257.
Order from OTS, ETC or CID \$0.80 62-29257

Trans. in Spanish of *Khimicheskaya Promyshlennost'*
(USSR) 1958, v. 33, no. 7, p. 9-11.

DESCRIPTORS: Condensation reactions, *Lignin.

(Chemistry--Physical, TT, v. 10, no. 8)

62-29257

- I. Chudakov, M. I.
- II. CID-62-257
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Nagrodskii, I. A. and Sokolova, L. N.
THE INFLUENCE OF RESIN AND ASH CONTENTS
OF PULP ON THE CLARITY OF VISCOSE SOLUTIONS
10 Nov 60, 8p. 8 refs.
Order from OTS or SLA \$1. 10

61-18640

Trans. of Izumazh[naya] Prom[yshlennost'] (USSR) 1958,
v. 33, no. 8, p. 2-3.

DESCRIPTORS: *Ash, *Cellulose, *Wood pulp, *Resins,
Solutions, Cellulose chemistry, Tests, Galvanometers,
Synthetic fibers.

(Materials--Textiles, TT, v. 6, no. 10)

61-18640

I. Nagrodskii, I. A.
II. Sokolova, L. N.

Office of Technical Services

The Construction of an Instrument for Automatic
Measurement of Paper Substance, by D. L.
Pankov, I. D. Kugushev, 6 pp.

RUSSIAN, per, Bumazh Prom USSR, Vol XXXIII, No 8,
1958, pp 6-9.

SLA 60-14013

Sci

OTS, Vol III, No 6

Sep 60

126,912

(RC-3691).

Botany: Instruction at the Military Medical
Academy, named S. M. Kirov, by Ye. N. Pavlovskiy,
S. Ye. Shpil'nyaya, 4 pp.

RUSSIAN, per, Botan Zhur, Vol XLIV, No 12,
1959, pp 1763-1785.

JPRS 3257

Sci - Biology
May 60

116,693

The Dynamics of the Stretching of Paper on the
Machine, by A. D. Shustov, 6 pp.

~~RUSS~~

~~RUSSIAN~~, per, Buruzhnaya From USSR, Vol XXXIII,
No 11, 1958, pp 7-9.

SLA 59-15835

Sc:

Dec 59

Vol 2, No 4

103,102

The Problem of Improving the Quality of
Photographic Base Paper, by N. V. Ryukhin,
5 pp.

RUSSIAN, per, Bumazh Prom, Vol XXXIII, No 12,
1958, pp 3-10.

OTS 60-14062

Sci.
26 Mar 62
Vol. 4, No 4

187,736

New Design for a Paper Moistener, by E.M. Golowno,
G.I. Tsirel'son.

RUSSIAN, per, Bumazh. Prom. Vol. 34, No. 1, 1959,
pp 21-22.

GB/15

Sci -

July 1967

334-613

Ilinskaya, A. A.
THE INFLUENCE OF KRAFT LIQUOR SULFIDITY
ON THE PROPERTIES OF PULP FOR CONDENSER
PAPER, PT. II. [1962] [9]p. 20 refs.
Order from OTS or SLA \$1.10

62-16193

Trans. of Bumszh[naya] Prom[yshlennost'] (USSR) 1959,
v. 34, no. 3, p. 2-5.

DESCRIPTORS: *Black liquor, *Paper, Cellulose,
*Thermal stresses, Sulfides, Copper compounds,
Ammonium radicals, *Wood pulp, Production.

Of the methods studied for the evaluation of the ther-
mal stability of cellulose as a high polymer, the
clearest indication is given by the determination of
viscosity in cuprammonium solution. This method is
well suited for the purpose, because it gives a direct
indication concerning the most important change in
(Materials--Paper, IT, v. 8, no. 6) (over)

62-16193

I. Ilinskaya, A. A.

Office of Technical Services

14 400

GE-1

GUSEV A. A.

Determining the amount of condensate in drying cylinders of paper machines by means of radioactive isotopes

Bestimmung der Kondensatmenge in Trockenzylindern der Papiermaschinen mittels radioaktiver Isotope

Bumazhn. Prom., 34, No. 9, 9-12 (1959)

German

E u r a t o m

The Reduction of Dielectric Losses in Pulp for
Condenser and High Voltage Paper, by B. C. Milov,
S. Kh. Kitayeva, 8 p.

RUSSIAN, per, Bumazh Prom, 1959, Vol XXXIV, No 5,
pp 4-7.

SLA 59-17481

Sci
Jan 60
Vol 2, No 9

106,012

Sampling Devices for Measuring pH and the Redox
Potential in Pulp Bleaching, by V. A. Alexander,
G. I. Smulkin.

RUSSIAN, per, Bumaz From, No 5, 1959, pp 19-.

CSIRO

Sci - Chem

Jun 61

157,808

An Industrial Bubbling Column for the Production
of Sulfurous Acid Using Calcium Hydroxide, by
N. D. Babushkina, E. V. Babayev, 7 pp.

RUSSIAN, per, Bum Prom, No 6, pp 12-15, 1959.
9207841

PL-480
OTS 63-11088

Sci - Chem
Jun 63
IPST No 869

232,370

Kachalov, A. I. and Bykova, I. G.
BLEACHING OF PULP WITH ACTIVATED CHLORATE
[1961] 6p.

Order from OTS or SLA \$1.10

61-14919

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1959, v. 34, no. 7, p. 5-7.

DESCRIPTORS: *Wood pulp. Processing. *Bleaching
agents: *Chlorates.

(Materials--Wood, TT, v. 6, no. 2)

61-14919

I. Kachalov, A. I.
II. Bykova, I. G.

108711

Off. of Technical Services

The Influence of Thermal Destruction of Pulp on the
Removal of Inorganic Additives From It, by Z. L.
Zosim.

RUSSIAN, per, Bumazhnaya Promyshlennost', No 7,
1959, p 9. 9017142

*PL-480

OTS 63-11090

PST-871

(RUSSIA to SPANISH by OTS 62-29202)

Sci
Dec 62

Solechnik, N. Ya. and Alikin, V. P.
PROBLEMS CONCERNING THE DEFORMATION OF
PULP FIBRES AND PULP BEATING. [1960] 5p.

11 refs.

Order from OTS or SLA \$1.10

61-10680

Trans. of Bumazh[nyaya] Prom[yshlennost'] (USSR)
1959, v. 34, no. 12, p. 7-8.

DESCRIPTORS: *Wood pulp fibers, *Wood pulp, Me-
chanical properties, Processing.

Experiments showed that pulp undergoes the three
kinds of deformations which occur in high molecular
weight polymers: elastic, highly-elastic and plastic.
This indicates that the deformation of pulp during beat-
ing has a relaxation character. Therefore the correct
choice of the magnitude of the pressure and its fre-
quency of application is very important. The speed and
nature of beating depends largely on the ratio of the
various kinds of deformation inherent to the fibre.
(Materials--Paper, TT, v. 6, no. 1) (over)

61-10680

I. Solechnik, N. Ya.
II. Alikin, V. P.

NLL 10-3002

161602

Office of Technical Services

MEASURING THE THICKNESS OF CONDENSER PAPER WITH
THE AID OF ALPHA-EMITTING RADIOISOTOPES, BY A. A.
GUSEV.

RUSSIAN, PER, BUMAZ PROM, NO 12, L959, P 12.

NLL M. 6060

SCI - CHEM

OCT 62

214,734

The Use of Water Glass With Alum for Laminating
Container Board, by M. M. Dymshchits,
T. S. Zhibareva, 3 pp.

RUSSIAN, per, Bumazh Prom, Vol XXXIV, No 8,
1959, pp 16-17.

SIA 60-14291

Sol.
Feb 62
Vol III, No 11

182,821

Smirnov, B. A.
TECHNOLOGICAL LAYOUT OF A CORD CELLULOSE PLANT, tr. by I. Gawronska. 26 May 60, 11p.
[Courtauld] Misc. Lit. 3159; [DSIR LLU] M.1982.
Order from LC or SLA ml\$2.40, ph\$3.30 61-13360

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR) 1960, v. 35, no. 1, p. 4-8.

(Engineering--Chemical, TT, v. 5, no. 12)

61-13360

1. Tires--Materials
2. Cellulose--Applications
3. Cordage--Production
- I. Smirnov, B. A.
- II. Courtauld ML-3159
- III. DSIR LLU M.1982
- IV. Courtauld Ltd. (Gt. Brit.)

106591

Office of Technical Services

The Influence of Kraft Liquor Sulfidity on the
Properties of Pulp for Condenser Paper, by A. A.
Ilinskaya.

RUSSIAN, per, Bum Prom, Vol XIXV, No 2, 1960,
p 2ff.

OTS 61-16535

Sci

189,529

Mar62

Vol VII, No 2

(NY-6894)

AUTOMATING THE MANUFACTURE OF INSULATING
FIBERBOARD, BY N. I. DOLGACHEV, 7 PP.

RUSSIAN PER BOMAZHAYA PROM, NO 4, 1960,
PP 22-24.

JPRS 12372

SCI - ENGR
FEB 62

183,118

Ivanov, S. N.

NUEVO METODO DE DETERMINACION RAPIDA DE
LA CONCENTRACION DE LA PASTA DE PAPEL
(Novyi Spobob Bystrygo Opredeleniya Kontsentratsii
Bumazhnol Massy) (New Paper Pulp Concentration
Rapid Determination Method). 5p. CID: 62-208.
Order from OTS, ETC or CID \$0.80 62-29208

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1960, v. 35, no. 5, p. 31.

DESCRIPTORS: *Wood pulp, Determination, Paper.

(Materials--Paper, TT, v. 10, no. 8)

62-29208

- I. Ivanov, S. N.
- II. CID-62-208
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

61-18569

I. Mazing, L. A.

Handwritten: Mazing, L. A.

Office of Technical Services

Mazing, L. A. and others.
THE VOITH SAVERIN IN OPERATION. [1961] 3p.
(1 diag. omitted).
Order from SLA \$1.10

61-18569

Trans. of *izumzh[naya]* *prom[yshleannost']* (USSR) 1960
[v. 35] no. 8, p. 22-23

DESCRIPTORS: *Paper. Processing. *Machines.
Operation.

(Materials--Paper, TT, v. 7, no. 2)

Veinov, K. A. and Bobrov, A. I. ONE IMPORTANT PROBLEM IN SULPHITE PULP PRODUCTION. July 61, 3p. Order from OTS or SLA \$1.10	61-20011
Trans. of <u>Bumazh[naya] Prom[yshlennost']</u> (USSR) 1960 [v. 35] no. 11, p. 15-17.	I. Veinov, K. A. II. Bobrov, A. I.
DESCRIPTORS: *Sulfitcs, *Wood pulp, Magnesium, USSR, Manufacturing methods, Industrial production, Processing.	107523
(Materials--Wood, TT, v. 6, no. 10)	Office of Technical Services

Bleaching and Purifying of Technical Cellulose by
Oxygen and Alkali, by V. M. Nikitin, G. L. Akim,
6 pp.

RUSSIAN, per, Samazh. Prom, Vol. XXXV, No 12, 1960,
pp 5-7.

OTS 61-20266
CIA/FID XX-1075

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

171, 648

Oct 61

USIB INTERNAL USE ONLY

Khaletskii, A. M.
BETA-SITOSTEROL. [1962] 5p. 11 refs.
Order from OTS or SLA \$1.10 62-10655

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1961, v. 36, no. 4, p. 10-11.

DESCRIPTORS: *Steroids, Cholesterol, *Sitosterols,
Synthesis, Sulfates, Cellulose.

(Biological Sciences--Pharmacology, TT, v. 8, no. 7)

62-10655

I. Khaletskii, A. M.

Office of Technical Services

WET END OPERATION IN THIN PAPER MANUFACTURE,
BY V. N. NEMANIKHIN, L. E. KOMAROVSKIY.

RUSSIAN, PER, BUMAZ PROM, VOL XXXVI, NO 5,
1961, PP 7, 8.

NLL M. 6059

SCI - CHEM

OCT 62

214,738

Kallistratov, G. A. and Skvortzova, Ya.
SEPARATION OF HARMFUL PITCH IN THE PROC-
ESS OF BEATING PULP. [1961] 5lp.
Order from OTS or SLA \$1.10 62-14358

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1961, v. 36, no. 5, p. 9-10.

DESCRIPTORS: *Wood pulp, Processing, *Pitch,
Separation, *Paper, Manufacturing methods.

After the introduction at the Sokolski Mill of the con-
tinuous beating of pulp, which passes from beater to
beater through channels made of stainless steel and
placed at an angle of 25°, it was observed that the
amount of pitch deposited on the Fourdrinier wire
decreased considerably. This phenomenon was
caused by a decrease of the temperature of the pulp
after beating from 55-60° to 30-45° and by the re-
deposition of pitch on the surface of the metallic
(Materials--Paper, IT, v. 8, no. 3) (over)

62-14358

I. Kallistratov, G. A.
II. Skvortzova, Ya.

(RUSSIAN to SPANISH by:
OTS 62-29203)

Office of Technical Services

Snegirev, M. M.
REGULACION AUTOMATICA DE LA TEMPERATURA
EN EL PROCESO DE DESFIBRADO (Avtomaticheskoe
Regulirovanie Temperatury Defibrirovaniya) (Auto-
matic Temperature Control in the Fiber Removing
Process). 7p. CID: 62-244.
Order from OTS, ETC or CID \$0.80 62-29244

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1961, v. 36, no. 5, p. 25-26.

DESCRIPTORS: *Automation, *Fibers, Temperature
control.

(Materials, TT, v. 10, no. 8)

62-29244

I. Snegirev, M. M.
II. CID-62-244
III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

62-16074

Rozenberger, N. A. and Naumov, V. V.
BASIC TRENDS IN THE PRODUCTION DEVELOP-
MENT OF SEMI-FINISHED FIBROUS PRODUCTS.
[1962] 11p.
Order from OTS or SLA \$1.60

62-16074

Trans. of Izumazhniya Promyshlennost' (USSR) 1961
[v. 36] no. 9, p. 4-7.

DESCRIPTORS: Fibers, *Paper industry, *Wood pulp,
*Cellulose, Paper, Manufacturing methods, Industrial
production.

(Materials--Paper, TT, v. 9, no. 4)

I. Rozenberger, N. A.
II. Naumov, V. V.

Office of Technical Services

62-16075

Bobrov, A. I. and Turbanova, A. D.
COOKING FIR WOOD PULP WITH MAGNESIUM
BISULPHIDE AT RAISED TEMPERATURES. [1962] 5p.
Order from OTS or SLA \$1.10 62-16075

Trans. of Buzhzhaya Promyshlennost' (USSR) 1961
[v. 36] no. 10; p. 4-5.

DESCRIPTORS: *Wood pulp, *Magnesium compounds,
*Sulfides, *Temperature, *Wood pulp fibers, *Cellulose,
Lignin, Processing, Mechanical properties, Black
liquor

The temperature of the bisulfite cooking, raised from
170 to 190 deg. does not influence the magnitude of the
fiber yield of the fir wood pulp which is equal to 50.9 -
51.9% at the time when the cellulose is finished and
contains 4.5 - 4.9% of lignin. It is accompanied by an
increased content of alpha-cellulose (from 88 to 88.9%)
and a reduced amount of pentosans (from 6.5 to 5%). It
(Materials--Wood, TT. v. 9, no. 3) (over)

1. Title: Fir
2. Title: Kraft cooking
- I. Bobrov, A. I.
- II. Turbanova, A. D.

Office of Technical Services

62-18875

Karlitskii, Sh. M. and Komarovskii, L. E.
CONTINUOUS GRINDING OF WOOD PULP FOR CON-
DENSER PAPER. [1962] 7p. (figs. omitted) 6 refs.
Order from OTS or SLA \$1.10 62-18875

- I. Karlitskii, Sh. M.
- II. Komarovskii, L. E.

Trans. of Bumazhnaya Promyshlennost' (USSR) 1961,
v. 36, no. 12, p. 12-14.

DESCRIPTORS: Manufacturing methods, *Paper, *Wood
pulp, Grinders, Capacitors.

The results of these tests proved the possibility of ob-
taining a quality condenser paper, 10 microns thick,
from the wood pulp, ground only in cone grinders in
continuous operation. It has been found that the applica-
tion of cone grinders with basalt trimmings is econom-
ically more expedient than the use of rollers for the
same purpose. (Author)

(Materials--Paper, TT, v. 9, no. 6)

Office of Technical Services

(NY-3000)

DIGESTION OF PULP FOR THIN CAPACITOR PAPER,
BY B. G. MILOV, M. I. VITOTOVA, 7 PP.

RUSSIAN, PER, BUMAZHNAYA PROM, NO 1, 1962,
PP 17-19.

JPRS 14398

USSR
ECON
SCI - CHEM

202,321

62-20470

Flyate, D. M. and Levdk, I. Yu.
SOME IRREVERSIBLE PHENOMENA IN DRYING
PAPER AND CELLULOSE (PULP). [1962] 10p.
(figs. omitted, 13 refs.)

Order from OTS or SLA \$1.10

62-20470

Trans. of Bumazhn[aya] Prom[yshlennost'] (USSR) 1962,
v. 37, no. 3, p. 11-16.

DESCRIPTORS: *Paper, *Cellulose, Dehydration,
Wood pulp fibers, Mechanical properties.

- I. Flyate, D. M.
- II. Levdk, I. Yu.

(Materials--Paper, TT, v. 9, no. 11)

Office of Technical Services

P. T. Lyubarets

Electromagnetic treatment of Boiler Feed water. 5 pp
BUMAZHNAYA PROMYSHLENNOST', Vol 37, No 3, 1962,

pp 26-27

AIR/FTD-HT-23-1642-72

jan 73

(NY-1830)

IMPROVEMENTS IN PRODUCT QUALITY AT THE KRASNOKAMSK
METAL SCREEN PLANT, BY A. T. CHUMADUROV, 7 PP.

RUSSIAN, PER, BUMAZHNAYA PROMY, 1962, NO 5,
PP 19, 20.

JPRS 14882

USSR
ECON
SCI M/M
AUG 62

208,410

(SF-2276)

PULP AND PAPER INDUSTRY IN CUBA, BY V. N.
SHUL'GIN, V. I. MUDRIK, 8 PP.

RUSSIAN, PER, BUMAZHNAYA PROMYSHLENNOST', NO 5,
1962, PP 28-31.

JPRS 14815

LA - CUBA
ECON
AUG 62

206,338

Let Us Concentrate Efforts on the Basic Trend in
Automation, by M. I. Lyudmirskiy.
RUSSIAN, per, Bumazhn Prom, Vol 37, No 10, 1962,
pp 4-6.
ATB RJ-5237

Sai-Mech
July 69

385,776

AUTOMATION IN THE PULP AND PAPER INDUSTRY,
BY L. N. PREOBRAZHENSKIY, S. S. GRANAT,
8 PP.

RUSSIAN, PER, BUMAZHNAYA PROMYSHLENNOST',
NO 10, OCT 1962, PP 6-8.

JPRS 16950

USSR
ECON
JAN 63

218,807

Balmasov, E. Ya.
CENTRALIZATION OF CONTROL: THE MOST IM-
PORTANT REQUISITE IN EXTENSIVE AUTOMATION.
[1963] 6p
Order from ATS \$9.00 ATS-28Q72R

Trans. of *Bumazhnaya Promyshlennost'* (USSR) 1962,
v. 37, no. 10, p. 11-13.

DESCRIPTORS: *Automation, Control systems.

(Research Methods, Techniques and Equipment, TT,
v. 11, no. 3)

TT-64-12062

I. Balmasov, E. Ya.
II. ATS-28Q72R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Myl'nikov, V. P.
THE USE OF ELECTRIC HEATING IN PULP AND
PAPER PRODUCTION. Jul 63, 2p
Order from CTS, SLA, or ETC \$1.10 TT-63-18574

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1963 [v. 38] no. 4, p. 20.

DESCRIPTORS: *Wood pulp, *Paper, Heating.
Electricity, Economics.

(Materials--Paper, TT, v. 11, no. 5)

TT-63-18574

I. Myl'nikov, V. P.

Office of Technical Services

Plastics in Paper Making, by B. B.
Gutman, et al.
RUSSIAN, per, Bumazh Prom-st,
1963, Vol XXXVIII, No VIII, pp 10-11.
NLL 5828.4 1964 (10,558) (On Loan)

68/256/T. 1587

Aug 65

286,418

Hydro-Transport of Wood Chips in Pipeline,
V. V. Korbobov, 5 pp.
RUSSIAN, per, Bumajnyaya Prom, No 1, 1964,
pp 13-15.
CIA/FDD X-5681

Sci - U/M
Aug 65
FOR OFFICIAL USE ONLY

287,534

Meter for Measuring the Moisture of
Paper Web, 9 pp.
RUSSIAN, per, Bumazhnaya Promy, No 1, 1964,
pp 22-24.
CIA/FDD XX-1714
NO FOREIGN DISSEM

Sci
Jun 65
USIB Internal Use Only

281,702

The Chemical Pulp and Paper Industry in 1964 and
1965, 5 pp.

RUSSIAN, per, Bumashnaya Prom, No 2, 1964,
pp 1-2.

NLL Translation Bulletin

Vol VI, No 6, 1964

USSR
Econ
Jul 64

262,970

Behaviour of Sulphur in the Boiling of Spruce
Wood With Sodium Sulphide, by V. Schegolev.
RUSSIAN, per, Bumazhnaya Promyshlennost,
No 7, 1964, pp 3-7.
CSIRO/No. 7430

Sci -
Aug 67

335,832

The Cause of Flocculation in Producing Paper
by a Dry Method, by A. E. Gushchin. 11 p.
RUSSIAN, per, Bumazhaya Promyshlennost, Vol 39,
No 5, 1964, pp 8-9.
NIL RTS-2888

Sci-M&M
Jul 66

306,116

Avenues of Development in the Pulp and Paper
Industry, 8 pp.
RUSSIAN, per, Amazhaya Promyshlennost', No
6, Jun 64, pp. 1-3.
JPRS 30272

USSR
Econ
Jun 65

231,201

More Rapid Utilization of New Pulp-Paper Pro-
duction Capacities Needed, 6 pp.
RUSSIAN, per, Dumskaya Pravda, No 7,
Jul 64, pp. 1-2.
JPRS 30386

USSR
Econ
Jun 65

281,265

Behaviour of Sulphur in the Cooking of Spruce
Wood with Sodium Sulphide, by V. Shchegolev,
V. Nikitin.

RUSSIAN, per, Bumazhnaya Promyshlennost'

No. 7, 1964, pp 3-7

CSIRO/No. 7430

Sci -
Aug 67

335-589

Film Formation in the Manufacture of Vulcanized
Fiber, by F. I. Korchenkin.
RUSSIAN, per, Bumazhn Prom, Vol. 39, No 7, 1964,
pp 14-16.
ATS RJ-5229

Sci-Math & Equip
July 69

3865,766

Distribution of Resin in the Process
of Sulphite Pulping of Water Stored
Wood, by S. S. Malevskaya.
RUSSIAN, per, Bumazhnaya Promyshlennost,
No 12, 1964, pp 7-9.
NTC 72-10491-11L

Apr 72

Preparation and Investigation of Low-Substituted
Hydroxyethylcellulose, by Ye. L. Akim.
RUSSIAN, per, Russkii Proizn, No 12, 1964, pp 193-
198.

ATS EJ-5230

Sci-Chem
July 69

385,767

Acetylation of Slightly Substituted Hydroxyethyl-
cellulose, by Ye. I. Akin.
RUSSIAN, per, Bumazhn Prom, No 12, 1964, pp 199-
205.
ATS BJ-5251

Sci-Chem
July 69

385,768

Oiled-cotton Insulation in High Voltage
Systems, by M. A. Greisukh.

RUSSIAN, bk, Bumazhno-maslyanaya i
Zolyatsiya v Vysokovoltnykh Konstruktsiyakh,

1963, 299 pp.

NLL RTS 31527 (On Loan)

Aug 65

287,208